Arm	ROUND POLES						POLYGONAL POLES				
Length	DB	D ₁₉	D ₂₄	D 30	1) thk	D _B	D ₁₉	D ₂₄	D 30	1) thk	Foundation Type
ft.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	7 7
20	10.5	7.8	7.1	6.3	.179	11.5	8.5	7.7	6.8	.179	30-A
24	11.0	8.3	7.6	6.8	.179	12.0	9.0	8.2	7.3	.179	30-A
28	11.5	8.8	8.1	7.3	.179	12.5	9.5	8.7	7.8	.179	30-A
32	12.5	9.8	9.1	8.3	.179	12.0	9.0	8.2	7.3	.239	30-A
36	11.5	8.8	8.1	7.3	.239	12.5	9.5	8.7	7.8	.239	30-A
40	12.0	9.3	8.6	7.8	.239	13.5	10.5	9.7	8.8	.239	36-A
44	12.5	9.8	9.1	8.3	.239	14.0	11.0	10.2	9.3	.239	36-A
48	13.0	10.3	9.6	8.8	.239	15.0	12.0	11.2	10.3	.239	36-A
Δrm	T	ROUNI	D ARMS				POL'	YGONAL AF	RMS		1

Arm		ROUND	ARMS			POLYGONAL ARMS				
Length	L ₁	D,	D ₂	1) thk	Rise	L,	D,	2 D ₂	1) thk	D:
ft.	ft.	in.	in.	in.	1/156	ft.	in.	in.	in.	Rise
20	19.1	6.5	3.8	.179	1'-9"	19.1	7.0	3.5	.179	1'-8"
24	23.1	7.5	4.3	.179	1'10"	23.1	7.5	3.5	.179	1'-9"
28	27.1	8.0	4.2	.179	1'-11"	27.1	8.0	3.5	.179	1'-10"
32	31.0	9.0	4.7	.179	2'-1"	31.0	9.0	3.5	.179	2'-0"
36	35.0	9.5	4.6	.179	2'-4"	35.0	10.0	3.5	.179	2'-1"
40	39.0	9.5	4.1	.239	2'-8"	39.0	9.5	3.5	.239	2'-3"
44	43.0	10.0	4.1	.239	2'-11"	43.0	10.0	3.5	.239	2'-6"
48	47.0	10.5	4.1	.239	3'-4"	47.0	11.0	3.5	.239	2'-9"

D_B = Pole Base O.D.
D₁₉ = Pole Top O.D. with no Luminaire and no ILSN

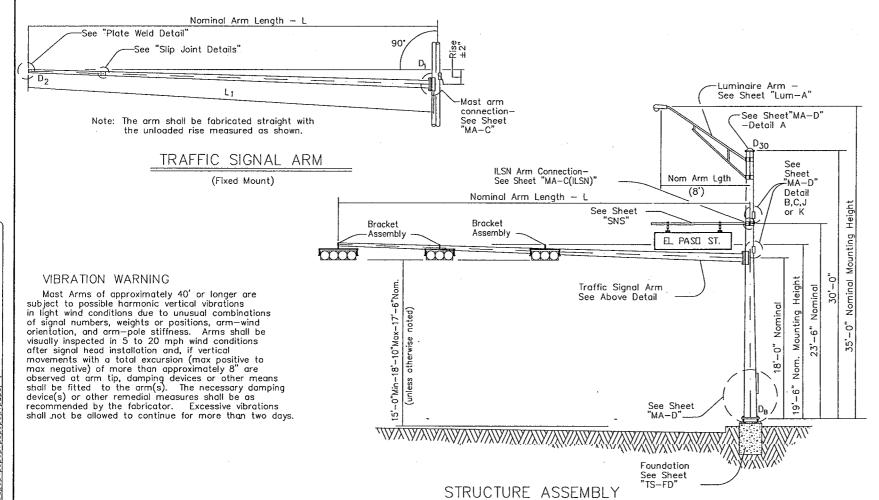
D ₂ = Arm End O.D. L ₁ = Shaft Length L = Nominal Arm Length

 $D_{24} = Pole Top O.D.$ with ILSN

w/out Luminaire D₃₀ = Pole Top O.D. with Luminaire D₁ = Arm Base O.D.

(1) Thickness shown are minimums, thicker materials may be used.

(2) D₂ may be increased by up to 1" for polygonal arms.



SHIPPING PARTS LIST

Ship each pole with the following attached: enlarged hand hole, pole cap, fixed—arm connection bolts and washers and any additional hardware listed in the table.

	30' Poles With	Luminaire	24' Poles Wit	h ILSN	19' Poles W		
Nominal Arm Length	Above hardware (or two if ILSN small hand hole simplex	attached)	Above ha plus one hand hole	small	Luminaire and No ILSN See note above		
ft	Designation Quantity		Designation	Quantity	Designation	Quantity	
20	20L-80		205-80		20-80		
24	24L-80		245-80		24-80		
28	28L-80		285-80		28-80		
32	32L-80		32S-80		32-80		
36	36L-80		36S-80		36-80		
40	40L-80		40S-80		40-80		
44	44L-80		44S-80		44-80		
48	48L-80		48S-80		48-80		

Traffic Signal Arms (1 per Pole) Ship each arm with the listed equipment attached Type I Arm (1 Signal) Type II_Arm (2 Signals) Type IILArm (3 Signals) 1 Brocket Assembly 2 Bracket Assemblies 3 Bracket Assemblies Quantity Quantity Designation Quantity Designation Designation 20 20I-80 24 24I-80 24II-80 28 28I-80 28II-80 32II-80 32Ⅲ-80 3611-80 36 36Ⅲ-80 40 40Ⅲ-80 44 44Ⅲ-80 48 48III-80

Luminaire Arms (1 per 30' pole)	
Nominal Arm Length	Quantity
8' Arm	

İ	ILSN Arm (Max. 2 per pole) Ship with cla	mps, bolts and wash	er
l	Nominal Arm Length	Quantity	
	7' Arm		
İ	9' Arm		
۱			

Anchor Bolt Assemblies (1 per pole)								
Anchor Bolt Diameter	Anchor Bolt Length	Quantity						
3/4 "	1'6"		٦ ′					
1 1/2 "	3'-4"							
1 7/4"	3'. 10"		7					

Each anchor bolt assembly consists of the following: Top and Bottom templates, 4 anchor bolts, 8 nuts, 8 flat washers, 4 lock washers and 4 nut anchor devices (Type 2) per Standard Drawing "TS-FD".

Templates may be removed for shipment.

MODIFICATIONS

- REMOVED BRACKET ASSEMBLY OPTIONS A AND B
- REMOVED CGB CONNECTORS
- REMOVED TENON DETAIL
- REQUIRE MEASUREMENT OF POLE HEIGHT
- MIN. AND MAX. SIGNAL HEAD HEIGHT DISTANCE

DALLAS DISTRICT STANDARD

SHEET 1 OF 2 STANDARD PLANS

TEXAS DEPARTMENT OF TRANSPORTATION Traffic Operations Division

TRAFFIC SIGNAL SUPPORT STRUCTURES SINGLE MAST ARM ASSEMBLY (80 MPH WIND ZONE)

 $_{\odot}$ SMA-80(1)-96 (DAL)

(IXDO		• •						
FILE:	SMA-80.DGN	DN: N	IS	ck: JSY	DW: N	IMF	CK:	JSY
ORIG DATE:	AUGUST, 1995	DISTRICT	FED REG	FEDER	AL AID PRO	JECT	•	SHEET
6 06	REVISIONS	DALLAS	6	Ch	1 97 (44	9)		55B
6-96		COUN	TY	CONTROL SECT JOB		JOB	HIGHWAY	
			S	8050	18	034	BEL	T LINE